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DATE: 08/21/2002 (66)
TIME: 15:15:35

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/428,082B

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CHEETHAM, JANET C.
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Input Set : A:\A-527.ST25.txt

226 228 229 230	225 <220> FEATURE: 226 <223> OTHER INFORMATION: Fc-TMP 228 <220> FEATURE: 229 <221> NAME/KEY: CDS 230 <222> LOCATION: (39)(779) 231 <223> OTHER INFORMATION:																
						11011	•										•
	4 <400> SEQUENCE: 5 5 totagatttg ttttaactaa ttaaaggagg aataacat atg gac aaa act cac aca !															56	
236	_ _																
237											1				5		
															gtc		104
	Cys	Pro	Pro	_	Pro	Ala	Pro	Glu		Leu	Gly	Gly	Pro		Val	Phe	
241				10					15	_				20			
							_	-			_				acc		152
244	Leu	Pne	25	Pro	гĀЗ	Pro	гàг	Asp	Thr	ьeu	мет	тте	ser 35	Arg	Thr	Pro	
	a a a	ata		taa	ata	ata	a+ a		a+a	200	020	~ 22		aat	gag	ata	200
															Glu		200
249	GIU	40	1111	Cys	Val	vui	45	пор	Vul	Jei	1113	50	пэр	110	GIU	VUI	
	ааσ		aac	t.aa	tac	at.a		aac	ata	σασ	at.a		aat	acc	aag	aca	248
															Lys		2.0
253	_				-1-	60		1			65				-1-	70	
		ccq	cqq	gag	gag	cag	tac	aac	aqc	acq	tac	cgt	gtg	qtc	agc		296
															Ser		
257	_		_		75		_			80	-	_			85		
259	ctc	acc	gtc	ctg	cac	cag	gac	tgg	ctg	aat	ggc	aag	gag	tac	aag	tgc	344
															Lys		
261				90					95					100			
															atc		392
	Lys	Val		Asn	Lys	Ala	Leu		Ala	Pro	Ile	Glu	_	Thr	Ile	Ser	
265			105					110					115				
															ccc		440
	гаг		ьys	СТА	GIn	Pro	_	GIU	Pro	GIN	vaı	_	Thr	Leu	Pro	Pro	
269	+00	120	ast.	~~~	a+ a	300	125	226	000	a+a	200	130	200	+ ~ ~	a+ a	~+ a	400
			_		_		_		_	_	_	_		_	ctg Leu	-	488
	135	ALY	АЗР	GIU	пеп	140	пуз	ASII	GIII	Val	145	пеп	1111	Суѕ	ьеu	150	
		aac	ttc	tat	ccc		σac	atc	acc	ata		taa	ααα	age	aat		536
276	Lvs	Glv	Phe	Tvr	Pro	Ser	Asp	Ile	Ala	Val	Glu	Trp	Glu	Ser	Asn	Glv	330
277	• .	2		- 4 -	155					160					165	1	
279	cag	ccg	gag	aac	aac	tac	aag	acc	acg	cct	ccc	gtg	ctg	gac	tcc	gac	584
															Ser		
281				170					175					180		_	
															agg		632
	Gly	Ser		Phe	Leu	${\tt Tyr}$	Ser	_	Leu	Thr	Val	Asp	_	Ser	Arg	Trp	
285			185					190					195				
															ctg		680
	Gln		Gly	Asn	Val	Phe		Cys	Ser	Val	Met		Glu	Ala	Leu	His	
289		200					205					210					

Input Set : A:\A-527.ST25.txt

292	Asn		tac Tyr	-	_	Lys	_			_	Ser	_				Gly	728
	215					220					225					230	776
			ggt														776
	GIY	GIY	Gly	тте		GIA	Pro	Thr	Leu	_	GIN	Trp	ьeu	Ala		Arg	
297	~~+	+	+ a + a		235	_				240					245		704
	9 gct taatctcgag gatcc 79 O Ala															794	
	<210> SEQ ID NO: 6																
	<211> LENGTH: 247																
	<211> LENGTH. 247 <212> TYPE: PRT																
	/ <213> ORGANISM: Artificial Sequence																
	<2215 ORGANISM: APCIFICIAL Sequence <220> FEATURE:																
	<pre><22U> FEATURE: <223> OTHER INFORMATION: Fc-TMP</pre>																
	2 <400> SEQUENCE: 6																
			Lys			Thr	Cvs	Pro	Pro	Cvs	Pro	Ala	Pro	Glu	Leu	Leu	
315			_,_		5		0,1			10				0_u	15		
		Glv	Pro	Ser	_	Phe	Leu	Phe	Pro		Lvs	Pro	Lvs	Asp		Leu	
319	0-1	0-1		20					25		-1-		-1-	30			
	Met	Ile	Ser		Thr	Pro	Glu	Val		Cvs	Val	Val	Va1		Val	Ser	
323			35	5				40		-1-	,		45		,		
	His	Glu	Asp	Pro	Glu	Val	Lvs	Phe	Asn	Trp	Tyr	Val	Asp	Glv	Val	Glu	
327		50					55				-1-	60		1			
	Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arq	Glu	Glu	Gln	Tyr	Asn	Ser	Thr	
331						70	-		,		75		•			80	
		Arg	Val	Val	Ser	Val	Leu	Thr	Val	Leu	His	Gln	Asp	Trp	Leu	Asn	
335	_				85					90			-	-	95		
338	Gly	Lys	Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn	Lys	Ala	Leu	Pro	Ala	Pro	
339	_	-		100	-	-	_		105		-			110			
342	Ile	Glu	Lys	Thr	Ile	Ser	Lys	Ala	Lys	Gly	Gln	Pro	Arg	Glu	Pro	Gln	
343			115					120					125				
346	Val	Tyr	Thr	Leu	Pro	${\tt Pro}$	Ser	Arg	Asp	Glu	Leu	Thr	Lys	Asn	Gln	Val	
347		130					135					140					
350	Ser	Leu	Thr	Cys	Leu	Val	Lys	Gly	Phe	Tyr	${\tt Pro}$	Ser	Asp	Ile	Ala	Val	
351	145					150					155					160	
354	Glu	Trp	Glu	Ser	Asn	Gly	Gln	Pro	Glu	Asn	Asn	\mathtt{Tyr}	Lys	Thr	Thr	Pro	
355					165					170					175		
	Pro	Val	Leu		Ser	Asp	Gly	Ser	Phe	Phe	Leu	\mathtt{Tyr}	Ser	Lys	Leu	Thr	
359				180					185					190			
	Val	Asp	Lys	Ser	Arg	Trp	Gln		Gly	Asn	Val	Phe		Cys	Ser	Val	
363			195					200					205				
	Met		Glu	Ala	Leu	His		His	Tyr	Thr	Gln	_	Ser	Leu	Ser	Leu	
367	_	210		_			215					220	_				
		Pro	Gly	Lys	Gly	_	Gly	Gly	Gly	Ile		Gly	Pro	Thr	Leu	-	
	225	_	_			230					235					240	
	GIn	Trp	Leu	Ala		Arg	Ala										
375	-04	·			245												
			EQ II														
379	<211	L> LI	ENGTI	I: 86	1												

Input Set : A:\A-527.ST25.txt

Output Set: N:\CRF4\08212002\I428082B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

```
Seq#:33; Xaa Pos. 6,7,8
Seq#:45; Xaa Pos. 8,9,10
Seq#:56; Xaa Pos. 8,9
Seq#:57; Xaa Pos. 8,9,10
Seq#:58; Xaa Pos. 8,9,10,11
Seq#:59; Xaa Pos. 8,9,10,11,12
Seq#:60; Xaa Pos. 8,9,10,11,12,13
Seq#:71; Xaa Pos. 2,12
Seq#:72; Xaa Pos. 2,3,13
Seq#:73; Xaa Pos. 2,12,13
Seq#:74; Xaa Pos. 2,3,13,14
Seq#:83; Xaa Pos. 2,4,5,8,11,13
Seq#:84; Xaa Pos. 2,4,5,8,11,13,16,18,19,22,25,27
Seq#:85; Xaa Pos. 2,4,5,8,11,13
Seq#:86; Xaa Pos. 2,4,5,8,11,13
Seq#:100; Xaa Pos. 4
Seq#:101; Xaa Pos. 1,5
Seq#:102; Xaa Pos. 1,4
Seq#:104; Xaa Pos. 4
Seq#:124; Xaa Pos. 1,2,3,6,9,10
Seq#:142; Xaa Pos. 2,4,8,9
Seq#:212; Xaa Pos. 1,2,3,5,7,8,9
Seq#:221; Xaa Pos. 10
Seq#:222; Xaa Pos. 10
Seq#:223; Xaa Pos. 11
Seg#:224; Xaa Pos. 10
Seq#:225; Xaa Pos. 10
Seq#:226; Xaa Pos. 10
Seq#:227; Xaa Pos. 10
Seg#:228; Xaa Pos. 10
Seq#:229; Xaa Pos. 6,10
Seq#:230; Xaa Pos. 6,10
Seq#:234; Xaa Pos. 5,10
Seq#:235; Xaa Pos. 5,10
Seq#:236; Xaa Pos. 6,10
Seq#:237; Xaa Pos. 5,10
Seq#:240; Xaa Pos. 10
Seq#:241; Xaa Pos. 10
Seq#:242; Xaa Pos. 8,10
Seq#:243; Xaa Pos. 10
Seq#:244; Xaa Pos. 10
Seq#:245; Xaa Pos. 10
Seq#:246; Xaa Pos. 10
```

Seq#:247; Xaa Pos. 10

Input Set : A:\A-527.ST25.txt

```
Seq#:248; Xaa Pos. 10
Seg#:249; Xaa Pos. 6,10
Seg#:253; Xaa Pos. 10
Seq#:254; Xaa Pos. 5,10
Seg#:255; Xaa Pos. 6,10
Seq#:256; Xaa Pos. 5,10
Seq#:258; Xaa Pos. 1,10
Seq#:259; Xaa Pos. 10
Seq#:260; Xaa Pos. 10
Seq#:261; Xaa Pos. 10
Seq#:262; Xaa Pos. 10
Seq#:307; Xaa Pos. 1,2,3,11
Seq#:308; Xaa Pos. 1,2,3,11,12
Seq#:309; Xaa Pos. 1,2,3,11,12
Seq#:310; Xaa Pos. 2,3,11
Seq#:311; Xaa Pos. 2,3
Seq#:312; Xaa Pos. 11,12
Seq#:313; Xaa Pos. 11,12
Seq#:314; Xaa Pos. 2,3,8,9
Seq#:315; Xaa Pos. 1,2,3,8
Seq#:316; Xaa Pos. 3,4,9
Seq#:317; Xaa Pos. 1,4,6,9
Seq#:318; Xaa Pos. 3,4,6,8,10
Seq#:319; Xaa Pos. 8,9
Seq#:320; Xaa Pos. 1,3,6
Seq#:321; Xaa Pos. 1,2,4,8
Seq#:322; Xaa Pos. 2,3
Seq#:325; Xaa Pos. 1,3,5,7,8,10,11
Seq#:358; Xaa Pos. 19
Seg#:360; Xaa Pos. 19
Seg#:361; Xaa Pos. 19
Seq#:419; Xaa Pos. 1,3,4,5,6,9,12,13,14,15,16
Seq#:420; Xaa Pos. 1,3,5,6,9,12,14,15,16
Seq#:421; Xaa Pos. 2,3,6,9
Seq#:433; Xaa Pos. 4,5,6
Seq#:435; Xaa Pos. 3,5,6
Seq#:441; Xaa Pos. 2,5,7
Seq#:442; Xaa Pos. 2,5,7
Seq#:443; Xaa Pos. 5
Seq#:444; Xaa Pos. 6
Seq#:445; Xaa Pos. 2,3,4,8,9,10,11,12,13,14
Seq#:448; Xaa Pos. 1,2,3,7,8,9
Seq#:449; Xaa Pos. 2,8
Seq#:453; Xaa Pos. 1,2,5,6,7,8
Seq#:454; Xaa Pos. 1,2,3,6,7,8,9,10
Seq#:461; Xaa Pos. 2,3,4,5,8,11,12
Seq#:466; Xaa Pos. 3,15
Seq#:467; Xaa Pos. 3,5,6,13,15
Seq#:468; Xaa Pos. 13,15
```

Input Set : A:\A-527.ST25.txt

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Seg#:469; Xaa Pos. 2,3,4,7,15
Seq#:470; Xaa Pos. 3,4,5,6,8,13,15,18
Seg#:471; Xaa Pos. 2,5,6,7,12,13,14
Seq#:472; Xaa Pos. 1,3,6,9,12,13
Seq#:473; Xaa Pos. 1,2,10,12
Seq#:580; Xaa Pos. 1
Seq#:583; Xaa Pos. 1
Seq#:584; Xaa Pos. 1
Seg#:585; Xaa Pos. 1
Seg#:592; Xaa Pos. 1,2,3
Seg#:593; Xaa Pos. 1,3
Seq#:594; Xaa Pos. 1,5,6,7
Seq#:602; Xaa Pos. 3
Seq#:603; Xaa Pos. 5
Seq#:607; Xaa Pos. 1
Seg#:608; Xaa Pos. 1
Seq#:609; Xaa Pos. 4
Seq#:622; Xaa Pos. 1,3
Seq#:625; Xaa Pos. 5
Seq#:632; Xaa Pos. 1,3
Seq#:633; Xaa Pos. 1
Seq#:634; Xaa Pos. 1
Seq#:635; Xaa Pos. 4
Seq#:639; Xaa Pos. 5
Seq#:645; Xaa Pos. 1
Seq#:765; Xaa Pos. 12,13,16
Seq#:825; Xaa Pos. 2,3,5,6
Seq#:830; Xaa Pos. 5,6
Seq#:832; Xaa Pos. 5,6
Seq#:834; Xaa Pos. 5,6
Seq#:836; Xaa Pos. 1,2
Seq#:897; Xaa Pos. 1,2,6
Seq#:900; Xaa Pos. 10
Seg#:901; Xaa Pos. 10
Seq#:903; Xaa Pos. 13
Seq#:907; Xaa Pos. 1,2,4,6,7,8
Seq#:908; Xaa Pos. 1,2,4,6,7,8
Seq#:909; Xaa Pos. 1,2,4,6,7,8
Seq#:910; Xaa Pos. 1,2,3,5,7,8,9
Seq#:912; Xaa Pos. 10
Seq#:914; Xaa Pos. 10
Seq#:916; Xaa Pos. 10
Seq#:917; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,16,18,19,20
Seq#:926; Xaa Pos. 10
Seq#:928; Xaa Pos. 10
Seq#:929; Xaa Pos. 10
Seq#:930; Xaa Pos. 10
Seq#:931; Xaa Pos. 10
Seq#:932; Xaa Pos. 10
```

Input Set : A:\A-527.ST25.txt

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Seg#:933; Xaa Pos. 10
Seg#:934; Xaa Pos. 10
Seg#:935; Xaa Pos. 10
Seq#:936; Xaa Pos. 10
Seg#:937; Xaa Pos. 10
Seq#:938; Xaa Pos. 10
Seq#:939; Xaa Pos. 10
Seq#:940; Xaa Pos. 5,10
Seq#:941; Xaa Pos. 5,10
Seq#:942; Xaa Pos. 6,10
Seq#:943; Xaa Pos. 6,10
Seq#:944; Xaa Pos. 5,10
Seq#:945; Xaa Pos. 10
Seg#:946; Xaa Pos. 10
Seq#:947; Xaa Pos. 10
Seg#:948; Xaa Pos. 10
Seq#:949; Xaa Pos. 10
Seq#:950; Xaa Pos. 1,10
Seq#:951; Xaa Pos. 10
Seq#:952; Xaa Pos. 10
Seq#:953; Xaa Pos. 10
Seq#:954; Xaa Pos. 10
Seg#:955; Xaa Pos. 10
Seq#:956; Xaa Pos. 5
Seq#:957; Xaa Pos. 5
Seq#:958; Xaa Pos. 5
Seq#:959; Xaa Pos. 5
Seq#:961; Xaa Pos. 3
Seq#:962; Xaa Pos. 7
Seq#:963; Xaa Pos. 10,11
Seq#:964; Xaa Pos. 1,10,11
Seq#:965; Xaa Pos. 8,10
Seq#:966; Xaa Pos. 8,10
Seq#:967; Xaa Pos. 7,10
Seq#:968; Xaa Pos. 7,10
Seq#:969; Xaa Pos. 3,10
Seq#:970; Xaa Pos. 3,10
Seq#:971; Xaa Pos. 1,10
Seq#:972; Xaa Pos. 1,10
Seq#:975; Xaa Pos. 5
Seq#:979; Xaa Pos. 1,3,4,5,6,7,8,9,10,11
Seq#:1002; Xaa Pos. 1,2,3,6
Seq#:1004; Xaa Pos. 10
Seq#:1006; Xaa Pos. 10
Seq#:1007; Xaa Pos. 10
Seq#:1008; Xaa Pos. 10
Seg#:1009; Xaa Pos. 10
Seq#:1010; Xaa Pos. 10
Seq#:1011; Xaa Pos. 10
```

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/09/428,082B

DATE: 08/21/2002 TIME: 15:15:36

Input Set : A:\A-527.ST25.txt

Output Set: N:\CRF4\08212002\I428082B.raw

Seq#:1012; Xaa Pos. 10
Seq#:1013; Xaa Pos. 10
Seq#:1014; Xaa Pos. 10
Seq#:1015; Xaa Pos. 10
Seq#:1016; Xaa Pos. 10
Seq#:1018; Xaa Pos. 10
Seq#:1019; Xaa Pos. 10
Seq#:1020; Xaa Pos. 10
Seq#:1021; Xaa Pos. 10
Seq#:1022; Xaa Pos. 10
Seq#:1023; Xaa Pos. 10
Seq#:1042; Xaa Pos. 6
Seq#:1091; Xaa Pos. 6
Seq#:1093; Xaa Pos. 2,3,8,9
Seq#:1093; Xaa Pos. 2,4



DATE: 08/21/2002 TIME: 15:15:36

PATENT APPLICATION: US/09/428,082B

Input Set : A:\A-527.ST25.txt

VERIFICATION SUMMARY

Output Set: N:\CRF4\08212002\I428082B.raw

L:1838 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0 L:2012 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0 L:2172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:0 L:2192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0 L:2212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:0 L:2232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:0 L:2252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:0 L:2412 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:0 L:2432 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:0 L:2452 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:0 L:2472 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:0 L:2632 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83 after pos.:0 L:2652 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84 after pos.:0 L:2656 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84 after pos.:16 L:2682 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85 after pos.:0 L:2702 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:0 L:2994 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100 after pos.:0 L:3021 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:0 L:3048 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:102 after pos.:0 L:3094 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:104 after pos.:0 L:3412 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:124 after pos.:0 L:3674 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:142 after pos.:0 L:4844 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:212 after pos.:0 L:5000 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:221 after pos.:0 L:5026 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:222 after pos.:0 L:5046 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:223 after pos.:0 L:5066 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:224 after pos.:0 L:5086 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:225 after pos.:0 L:5106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:226 after pos.:0 L:5126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:227 after pos.:0 L:5152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:228 after pos.:0 L:5179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:229 after pos.:0 L:5205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:230 after pos.:0 L:5274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:234 after pos.:0 L:5301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:235 after pos.:0 L:5328 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:236 after pos.:0 L:5355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:237 after pos.:0 L:5422 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:240 after pos.:0 L:5454 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:241 after pos.:0 L:5486 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:242 after pos.:0 L:5512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:243 after pos.:0 L:5538 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:244 after pos.:0 L:5564 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:245 after pos.:0 L:5590 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:246 after pos.:0 L:5622 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:247 after pos.:0 L:5654 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:248 after pos.:0 L:5686 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:249 after pos.:0 L:5778 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:253 after pos.:0

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/428,082B

DATE: 08/21/2002 TIME: 15:15:36

Input Set : A:\A-527.ST25.txt

Output Set: N:\CRF4\08212002\I428082B.raw

L:5810 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:254 after pos.:0 L:5836 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:255 after pos.:0